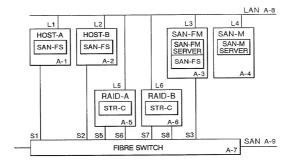
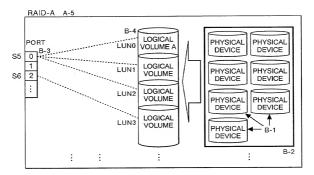
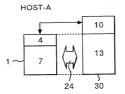
FILE STORAGE MANAGEMENT SYSTEM



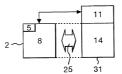
RAID CONSTRUCTION



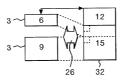
HOST SIDE



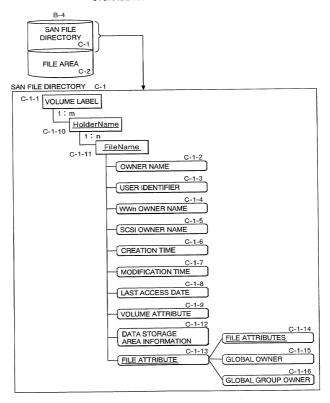
HOST-B



HOST-C



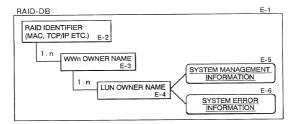
STORAGE MANAGEMENT IN LUN



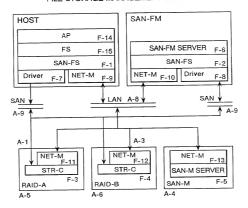
STORAGE MANAGEMENT IN LUN

	SAN FILE DI	SAN FILE DIRECTORY (SAN-FD)						
	FileName	FIIENAME DATASTORAGEAREA FILE INFORMATION ATTRIBUTE L	FILE ATTRIBUTE	VOLUME LABEL VOLUME	OWNER USER	USER WWn IDENTIFIER OWNER	wwn Owner	SCSI
	TIME	TIME TIME	ACCESS DATE ATTRIBUTE	ATTRIBUTE		HolderName		
	888888888	hhhhhh	RARAR	VOL1	E	00000	0101000000 HT2L3	11T2L3
	xxxxxxx	xxxxxxxk	XXXXXXXXXX	FFFFFFF	HOIC TTT	Holder-A	010100001	11721.4
	\$\$\$\$\$\$\$\$\$\$	hnnnna	******	100	200000			
	bxxxxxxx	xxxxxxxe	XXXXXXXXXX			g-lar		
_								

MANAGEMENT DB



FILE STORAGE MANAGEMENT SYSTEM



FILE CONVERSION FLOW

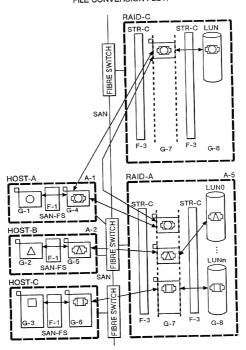
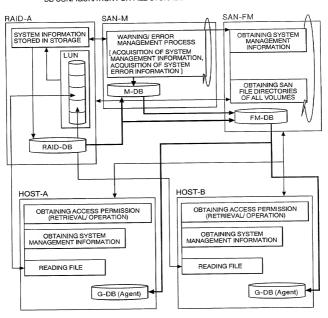


FIG. 9

DB CONFIGURATION FOR FILE STORAGE MANAGEMENT SYSTEM



DB CONFIGURATION FOR FILE STORAGE MANAGEMENT SYSTEM

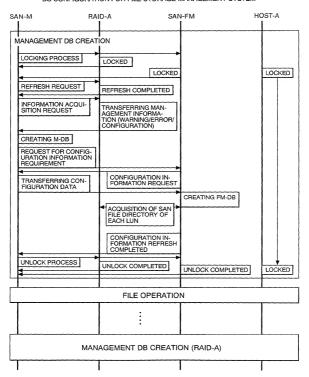


FIG. 11

FILE OPERATION IN FILE STORAGE MANAGEMENT SYSTEM

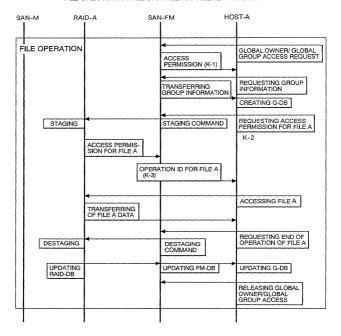
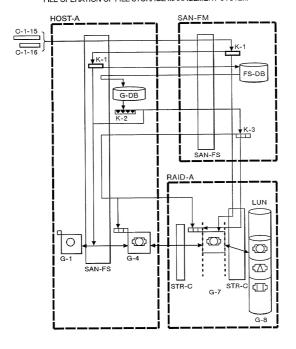
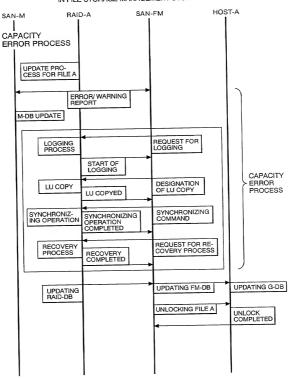


FIG. 12

FILE OPERATION OF FILE STORAGE MANAGEMENT SYSTEM



CAPACITY ERROR RECOVERY PROCESS IN FILE STORAGE MANAGEMENT SYSTEM



CAPACITY ERROR RECOVERY PROCESS IN FILE STORAGE SYSTEM

